PTO/SB/01 (08-03)

Approved for use through 07/31/2006. OMB 0651-0032 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. Attorney Docket Number SGK -2306 DECLARATION FOR UTILITY OR First Named Inventor Valery Rupasov DESIGN COMPLETE IF KNOWN PATENT APPLICATION (37 CFR 1.63) Application Number Filing Date Declaration Declaration 02/20/2004 Submitted OR Submitted after Initial Art Unit With Initial Filing (surcharge Filing (37 CFR 1.16 (e)) **Examiner Name** required) I hereby declare that: Each inventor's residence, mailing address, and citizenship are as stated below next to their name. I believe the inventor(s) named below to be the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought on the invention entitled: Nanaphotonic Devices based on Quantum Systems Embedded in Frequency Bandgap Media (Title of the Invention) the specification of which 6/ is attached hereto OR was filed on (MM/DD/YYYY) as United States Application Number or PCT International Application Number and was amended on (MM/DD/YYYY) (if applicable). I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above. I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application. I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed. **Prior Foreign Application** Foreign Filing Date **Priority** Certified Copy Attached? Number(s) Country (MM/DD/YYYY) Not Claimed Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

[Page 1 of 2]

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 21 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

PTO/SB/01 (06-03)

Approved for use through 07/31/2003. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

DECLARATION — Utility or Design Patent Application

Direct all correspondence to:						OR Correspondence address below				
Name		······································								
Dr. Sergei Krivoshlykov										
Address 1 Chartwell Circle										
City				State	!			ZIP		
Shrewsbury				MA				01545		
Country		Telephone	!			Fax				
USA (508) 845-5349			(508) 845-5349							
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.										
NAME OF SOLE OR FIRST INVENTOR: A petition has been filed for this unsigned inventor										
Given Name						amily Name	nily Name			
(first and middle [if any]) Valery				or Surname Rupasov						
Inventor's	1 /							Date		
Signature V. Rupaso							02/20/2004			
Residence: City	State						Citizer	Citizenship		
Southbridge	MA			USA			Canad	Canada		
Mailing Address 657 Worcester Street, apt.107										
City	State			ZIP			Country .			
Southbridge	MA				01550			USA		
NAME OF SECOND INVENTOR: A petition has been filed for this unsigned inventor										
Given Name					Family Name					
(first and middle [if any]) Sergei					or Surname					
Inventor's	./	/						Date		
Signature	1/1			===				02/20/2004		
Residence: City	State			Country		Citizenship				
Shrewsbury	MA			USA			USA			
Mailing Address										
1 Chartwell Circle										
City	State			Т	ZIP		Countr	у		
Shrewsbury	MA				01545 ປ		US	•		
Additional inventors or a legal representative are being named on thesupplemental sheet(s) PTO/SB/02A or 02LR attached hereto.										
Additional inventors of a legal re	presentative are bein	ig named on tr	16S	uppieme	ntai snee	n(s) PTO/SB/02/	or uzlik a	ιπacned hereto.		